

Subt. For, PTO-1449

Docket Number  
112.020.122Application Number  
09/915,093INFORMATION DISCLOSURE  
IN AN APPLICATION

(Use several sheets if necessary)

Applicant

Brent M. Segal et al.

Filing Date

July 25, 2001

Group Art Unit


Sheet

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OF

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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	5,346,683	09/13/94	Green et al.	423	447.2	
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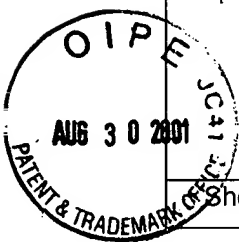
EXAMINER: Initial if citation is considered, whether or not citation is in conformance with MPEP § 609: Draw Line through citation if not conformance and not considered. Include copy with next communication to applicant.

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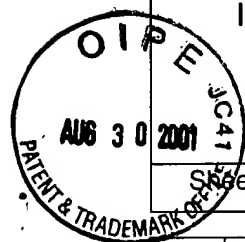
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Docket Number 112020.125NAN-1				Application Number 09/915,093	
Applicant Brent M. Segal et al.					
Filing Date 07/25/01				Group Art Unit 1775	
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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
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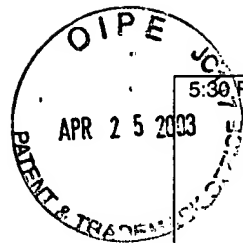
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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
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INFORMATION DISCLOSURE IN AN APPLICATION  (Use several sheets if necessary)				Applicant Brent M. Segal et al.			
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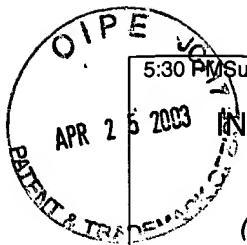
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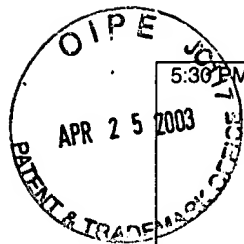
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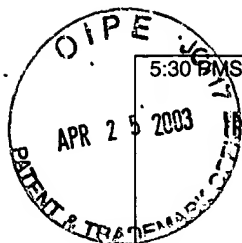


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Docket Number	112020.125NAN-1
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Application Number	09/915,093
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Applicant	Brent M. Segal et al.
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INFORMATION DISCLOSURE IN AN APPLICATION  (Use several sheets if necessary)				Applicant Brent M. Segal et al.			
				Filing Date 07/25/01		Group Art Unit 1775	
Sheet	11	OF	14				

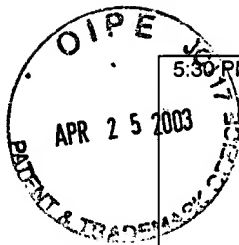
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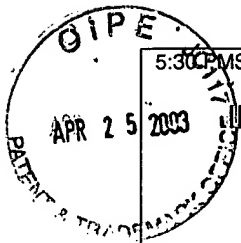
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(Use several sheets if necessary)

Docket Number  
112020.125  
NAN-1Application Number  
09/915,093Applicant  
SEGAL et al.Filing Date  
July 25, 2001Group Art Unit  
2823

Sheet 1 OF 3

## U.S. Patent Documents

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	2001/0004979	06/28/01	Han et al.	216	4	
	2002/0125805	09/12/2002	Hsu	313	309	
	2002/0130353	09/19/02	Lieber et al.	257	315	
	2002/0160111	10/31/02	Sun et al.	427	248.1	
	2002/0172639	11/21/02	Horiuchi	423	477.2	
	2002/0173083	11/21/02	Avouris et al.	438	129	
	2002/0175323	11/28/02	Guillom et al.	257	10	
	2002/0175390	11/28/02	Goldstein et al.	257	481	
	2002/0179434	12/5/02	Dai et al.	204	242	
	6,187,823	02/13/01	Haddon et al.	516	32	

## Foreign Patent Documents

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
	WO 01/44796	6/21/01	PCT				
	WO 00/63115	10/26/2000	PCT				
	<del>WO 01/63208</del>	<del>1/11/01</del>	<del>PCT</del>				
	EP 1,096,533	95/02/01	Europe				

## Other Documents (Including Author, Title, Date Pertinent Pages, Etc.)

	A1	<del>Kong, J., et al., "Chemical Vapor Deposition of Methane for Single-Walled Carbon Nanotubes." Chemical Physics Letters, 292, 567, 1998.</del>
	A2	Li, Y., et al., "Growth of Single-Walled Carbon Nanotubes from Discrete Catalytic Nanoparticles of Various Sizes." <i>The Journal of Physical Chemistry B</i> (2001); 105, 11424.
	A3	Colomer, J.-F., et al., "Characterization of Single-Walled Carbon Nanotubes Produced by CCVD Method." <i>Chemical Physics Letters</i> (2001); 345, 11-17.
	A4	Li, Y. et al., "Preparation of Monodispersed Fe-Mo Nanoparticles as the Catalyst for CVD Synthesis of Carbon Nanotubes." <i>Chem. Mater.</i> , 12, 1008, 2001.
	A5	Cassell, A., et al., "Directed Growth of Free-Standing Single-Walled Carbon Nanotubes." <i>Journal of the American Chemical Society</i> (1999); Vol. 121, 7975-7976.

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Subt. For, PTO-1449				Docket Number 112020.125 NAN-1		Application Number 09/915,093	
INFORMATION DISCLOSURE IN AN APPLICATION  (Use several sheets if necessary)				Applicant SEGAL et al.			
				Filing Date July 25, 2001		Group Art Unit 2823	
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U.S. Patent Documents						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	6,198,655	03/6/01	Heath et al.	365	151	
	6,232,706	05/15/01	Dai et al.	313	309	
	6,250,984	06/26/01	Jin et al.	445	51	
	6,322,713	11/27/01	Choi et al.	216	38	
	6,350,488	02/26/02	Lee et al.	427	249.1	
	6,407,443	06/18/02	Chen et al.	257	616	
	6,413,487	07/02/02	Resasco et al.	423	447.3	
	6,432,740	08/13/02	Chen	438	99	
	6,495,116	12/17/02	Herman	423	447.3	
	6,515,339	02/04/03	Shin et al.	257	368	
	6,518,156	02/11/03	Chen et al.	438	597	
	6,566,983	05/20/03	Shin	333	193	
	6,574,130	06/03/03	Segal et al.	365	129	

Foreign Patent Documents							
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

Other Documents (Including Author, Title, Date Pertinent Pages, Etc.)		
	A6	Delzeit, L., et al., "Multilayered Metal Catalysts for Controlling the Density of Single-walled Carbon Nanotube Growth." <i>Chemical Physics Letters</i> , 348, 368, 2001.
	A7	Wei, Y., et al., "Effect of Catalyst Film Thickness on Carbon Nanotube Growth by Selective Area Chemical Vapor Deposition." <i>Applied Physics Letters</i> (2001); Vol. 78, pgs. 1394-1396.
	A8	Su., M., et al., "A Scalable CVD Method for the Synthesis of Single-Walled Carbon Nanotubes with High Catalyst Productivity." <i>Chemical Physics Letters</i> (2000); Vol. 322, 231-326.
	A9	Harutyunyan, A., et al., "CVD Synthesis of Single Wall Carbon Nanotubes under 'Soft' Conditions." <i>Nano Letters</i> Vol. 2c no 5 525 (2002); <b>Published on web 3/27/02</b>
	A10	Li, Q., et al., "High-Density Growth of Single-Wall Carbon Nanotubes on Silicon by Fabrication of Nanosized Catalyst Thin Films." <i>Chem. Mater.</i> (2002), 14, 4262; <b>Published on web 9/11/02</b>
	A11	Javey, A., et al., "Carbon Nanotube Transistor Arrays for Multistage Complementary Logic and Ring Oscillators." <i>Nano Letters</i> (2002); Vol. 2 No. 9 929-932. <b>Published on web 7/31/02</b>
	A12	Chen, B., et al., "Heterogeneous Single-Walled Carbon Nanotube Catalyst Discovery and Optimization." <i>Chem. Mater.</i> (2002); Vol. 14 1891-1896.

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	A13	Yenilmez, E., et al., "Wafer Scale Production of carbon Nanotube Scanning Probe Tips for Atomic Force Microscopy." <i>Applied Physics Letters</i> . (2002); Vol. 80 No. 12, 2225-2227.
	A14	Collins, P., et al., "Engineering Carbon Nanotubes and Nanotube Circuits Using Electrical Breakdown." <i>Science</i> (2001); 292: 706-709.
	A15	Kim, W., et al., "Synthesis of Ultralong and High Percentage of Semiconduction Single-walled Carbon Nanotubes." <i>Nano Letters</i> (2002); Vol. 2 No. 7 703-708. Published on web 6/01/02
	A16	Liu, et al., "Organizing Single-Walled Carbon Nanotubes on Gold Using a Wet Chemical Self-Assembling Technique, <i>Langmuir</i> ," April 18, 2000, Vol. 16, No. 8, 3659-3573
	A17	Zheng et al, "Chemical Vapor Deposition Growth of Well-Aligned Carbon Nanotube Patterns on Cubic Mesoporous Silica Films by Soft Lithography", <i>Chemistry of Materials</i> , June 9, 2001, Vol. 13, 2240-2242
	A18	Huang, et al., "Patterned Growth of Well-Aligned Carbon Nanotubes: A Soft-Lithographic Approach", <i>The Journal of Physical Chemistry B</i> , March 16, 2000, Vol. 104, No. 10, 2193-2196
	A19	Chattopadhyay, et al., "Metal-Assisted Organization of Shortened Carbon Nanotubes in Monolayer and Multilayer Forest Assemblies", <i>Journal of the American Chemical Society</i> , August 28, 2001, Vol. 123, 9451-9452

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